

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CONNECTOR

the specification of which is attached hereto unless the following box is checked:

☐ was filed on _____ as United States Application Number or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information of which is material to the patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

<u>P2001-006448</u>	<u>Japan</u>	<u>15/January/2001</u>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefits under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

_____	_____
(Application Number)	(Filing Date)

I hereby claim the benefits under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

_____	_____	_____
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

I hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olcxy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765 and Robert M. Masters, Reg. No. 35,603; my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date <u>January 8, 2002</u>	First Inventor <u>Kimihiro Abe</u>	First Name	Last Name
Residence <u>Shizuoka,</u>	Signature <u>Kimihiro Abe</u>		
<u>Japan</u>	Post Office Address <u>c/o YAZAKI PARTS CO., LTD., 206-1,</u>		
Citizenship <u>Japan</u>	<u>Nunobikibara, Haibara-cho, Haibara-gun,</u>		
	<u>Shizuoka, Japan</u>		

Date _____	Second Inventor _____	First Name	Last Name
Residence _____	Signature _____		
	Post Office Address _____		

REQUEST FOR EARLY NOTIFICATION OF SERIAL NUMBER

JAN 16 2002 U.S. PTO

10/043110

Inventor(s): Kimihiro ABE _



Title: CONNECTOR

01/14/02

Atty Doc. #: Q68048 Client: NGB CORP

Filing Date: January 14, 2002 # Pgs. Spec/Abst: 23/1 #Claims: 10

Dwg. Sheets: 6 Decl YES Prelim Amdt NO

PTO FORM 1449 w/ref. PTO FORM 1595

IDS/Prior Art: YES Pr Doc: YES (1) Asgmt: YES Fee: \$740/\$40.00

☒ Check Attached ☐ Charge to Deposit # 19-4880 Atty/Sec: DM/plr

SERIAL NO.:

CONF NO.:

REQUEST FOR EARLY NOTIFICATION OF SERIAL NUMBER

Inventor(s): Kimihiro ABE _

Title: CONNECTOR

Atty Doc. #: Q68048 Client: NGB CORPORATION

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SERIAL NO.:

CONF NO.:



17

Form PTO-1595 (modified)
(Rev. 03/01)
OMB No. 0651-0027

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kimihiro ABE

2. Name and address of receiving party(ies):

YAZAKI CORPORATION

4-28, Mita 1-chome, Minato-ku, Tokyo, Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: January 8, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 8, 2002

A. Patent Application No.(s)
Unassigned

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

☐ Authorized to be charged to deposit account

8. Deposit account number:

19-4880

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darryl Mexic

Darryl Mexic

Reg. No. 23,063

January 14, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks

Box Assignment

Washington, D.C. 20231

Assignment

Whereas, ~~I/We~~, Kimihiro Abe
Shizuoka, Japan

of

FILED
JAN 14 2002

hereinafter called assignor(s), have invented certain improvements in

CONNECTOR

and executed an application for Letters Patent of the United States of America therefor on
January 8, 2002 ; and

Whereas, YAZAKI CORPORATION of 4-28, Mita 1-chome, Minato-ku,
Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: January 8, 2002 s/ Kimihiro Abe

Date: s/ _____

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)



2100 Pennsylvania Avenue, NW
Washington, DC 20037-3213

T 202.293.7060
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www.sughrue.com

Darryl Mexic
T 202-663-7909
dmexic@sughrue.com

January 14, 2002

BOX PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Re: Application of Kimihiro ABE
CONNECTOR
Assignee: YAZAKI CORPORATION
Our Ref. Q68048

FILED
JAN 14 2002

Dear Sir:

Attached hereto is the application identified above comprising twenty-four (24) sheets of the specification, including the claims and abstract, six (6) sheets of drawings, executed Assignment and PTO 1595 form, and executed Declaration and Power of Attorney. Also enclosed is an Information Disclosure Statement.

The Government filing fee is calculated as follows:

Total claims	<u>10</u> - 20	=	<u> </u>	x	\$18.00	=	<u> </u>	\$0.00
Independent claims	<u>1</u> - 3	=	<u> </u>	x	\$84.00	=	<u> </u>	\$0.00
Base Fee								\$740.00
TOTAL FILING FEE								\$740.00
Recordation of Assignment								\$40.00
TOTAL FEE								\$780.00

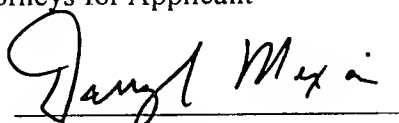
Checks for the statutory filing fee of \$740.00 and Assignment recordation fee of \$40.00 are attached. You are also directed and authorized to charge or credit any difference or overpayment to Deposit Account No. 19-4880. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 and any petitions for extension of time under 37 C.F.R. § 1.136 which may be required during the entire pendency of the application to Deposit Account No. 19-4880. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

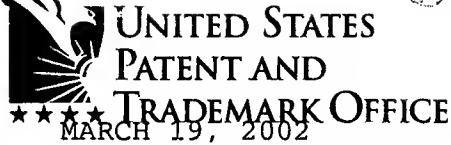
<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2001-006448	January 15, 2001

The priority document is enclosed herewith.

Respectfully submitted,
SUGHRUE MION, PLLC
Attorneys for Applicant

By: 
Darryl Mexic
Registration No. 23,063

DM/plr



PTAS

SUGHRUE MION, PLLC
DARRYL MEXIC
2100 PENNSYLVANIA AVENUE, N.W.
SUITE 800
WASHINGTON, D.C. 20037-3213

Chief Information Officer
Washington, DC 20231
www.uspto.gov



101959548A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/14/2002

REEL/FRAME: 012489/0848
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
ABE, KIMIHIRO

DOC DATE: 01/08/2002

ASSIGNEE:
YAZAKI CORPORATION
4-28, MITA 1-CHOME, MINATO-KU
TOKYO, JAPAN

SERIAL NUMBER: 10043110
PATENT NUMBER:

FILING DATE: 01/14/2002
ISSUE DATE:

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01-25-2002

Q68048

Form PTO-1595 (modified)
(Rev. 03/01)
OMB No. 0651-0027

F



101959548

EET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kimihiro ABE

01/14/02

2. Name and address of receiving party(ies):

YAZAKI CORPORATION

4-28, Mita 1-chome, Minato-ku, Tokyo, Japan

10996 U.S. PTO
10/043110

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: January 8, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 8, 2002

A. Patent Application No.(s)
Unassigned

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
☐ Authorized to be charged to deposit account

8. Deposit account number:

19-4880

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darryl Mexic

Darryl Mexic

Reg. No. 23,063

January 14, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks
Box Assignment
Washington, D.C. 20231

10996 10043110

40.00 50P

Assignment

Whereas, ~~I/We~~ Kimihiro Abe
Shizuoka, Japan

of

hereinafter called assignor(s), have invented certain improvements in

CONNECTOR

and executed an application for Letters Patent of the United States of America therefor on
January 8, 2002 ; and .

Whereas, YAZAKI CORPORATION of 4-28, Mita 1-chome, Minato-ku,
Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: January 8, 2002 s/ Kimihiro Abe

Date: s/ _____

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Electronic Acknowledgement Receipt

EFS ID:	1128130
Application Number:	10043110
Confirmation Number:	7282
Title of Invention:	Connector
First Named Inventor:	Kimihiro Abe
Correspondence Address:	SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. - Washington DC 20037 US - -
Filer:	Brian William Hannon/Paula Volk
Filer Authorized By:	Brian William Hannon
Attorney Docket Number:	Q68048
Receipt Date:	26-JUL-2006
Filing Date:	14-JAN-2002
Time Stamp:	13:43:45
Application Type:	Utility
International Application Number:	

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part	Pages
1	Petition for review by the Office of Petitions.	Q68048petition.pdf	201040	no	4
Warnings:					
Information:					
2		Q68048amendment.pdf	264084	yes	9
	Multipart Description				
	Doc Desc		Start	End	
	Amendment - After Non-Final Rejection		1	2	
	Claims		3	6	
	Applicant Arguments/Remarks Made in an Amendment		7	9	
Warnings:					
Information:					
3	Transmittal letter	Q68048officeaction.pdf	306865	no	6
Warnings:					
Information:					
Total Files Size (in bytes):			771989		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p>					

Acknowledgement Receipt

The USPTO has received your submission at **13:43:45** Eastern Time on **26-JUL-2006**.

No fees have been paid for this submission. Please remember to pay any required fees on time to prevent abandonment of your application.

eFiled Application Information

EFS ID	1128130
Application Number	10043110
Confirmation Number	7282
Title	Connector
First Named Inventor	Kimihiro Abe
Customer Number or Correspondence Address	SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Washington DC 20037 US
Filed By	Brian William Hannon/Paula Volk
Attorney Docket Number	Q68048
Filing Date	14-JAN-2002
Receipt Date	26-JUL-2006
Application Type	Utility

Application Details

Submitted Files	Page Count	Document Description	File Size	Warnings
Q68048petition.pdf	4	Petition for review by the Office of Petitions.	201040 bytes	◆ PASS
Q68048amendment.pdf	9		264084 bytes	◆ PASS
		Document Description	Page Start	Page End
		Amendment - After Non-Final Rejection	1	2
		Claims	3	6
		Applicant Arguments/Remarks Made in an Amendment	7	9
Q68048officeaction.pdf	6	Transmittal letter	306865 bytes	◆ PASS

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53 (b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C.

371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

If you need help:

- *Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent e-Filing.*
- *Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).*
- *If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.*